## PHOSPHOR CONVERTED LIGHT EMITTING DEVICE

## ABSTRACT OF THE DISCLOSURE

A system includes a radiation source capable of emitting first light and a fluorescent material capable of absorbing the first light and emitting second light having a different wavelength than the first light. The fluorescent material is a phosphor having the formula  $(Lu_{1-x-y-a-b}Y_xGd_y)_3(Al_{1-z}Ga_z)_5O_{12}$ :Ce<sub>a</sub>Pr<sub>b</sub> wherein 0 < x < 1, 0 < y < 1,  $0 < z \le 0.1$ ,  $0 < a \le 0.2$  and  $0 < b \le 0.1$ . In some embodiments, the  $(Lu_{1-x-y-a-b}Y_xGd_y)_3(Al_{1-z}Ga_z)_5O_{12}$ :Ce<sub>a</sub>Pr<sub>b</sub> is combined with a second fluorescent material capable of emitting third light. The second fluorescent material may be a red-emitting phosphor, such that the combination of first, second, and third light emitted from the system appears white.